Lab ID : **CP-2018-04-03-08** **Date: 07-04-18**

Sample ID No : **2018-04-03-08 /07**

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	402	151	202	Length : ± 5mm Breadth : ± 3mm Height : ± 3mm
2	401	149	203	
3	402	150	201	
4	401	152	202	
5	403	150	201	
6	401	150	202	
7	402	153	201	
8	402	152	203	
9	401	151	201	
10	402	152	203	
11	401	152	201	
12	402	150	202	
13	401	153	201	
14	402	151	203	
15	402	150	202	
16	401	151	201	
17	402	152	202	
18	401	150	201	
19	403	153	202	
20	402	152	202	
Average of 20	**402**	**151**	**202**	

AE

CIVIL Pro Sig..... Date..... BANGALORE

Lab ID : **CP-2018-04-03-08** **Date: 07-04-18**

Sample ID No : 2018-04-03-08 /07

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	402	151	60702	255.9	4.2	4.3
2	401	149	59749	249.7	4.2	
3	402	150	60300	263.7	4.4	
4	401	152	60952	272.7	4.5	
5	403	150	60450	249.8	4.1	
6	401	150	60150	271.7	4.5	
7	402	153	61506	280.6	4.6	
8	402	152	61104	263.8	4.3	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	**Minimum average**	**Minimum Individual units.**
C (5.0)	5.00 N/mm^2	4.00 N/mm^2
C (4.0)	4.00 N/mm^2	3.20 N/mm^2

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

AE

****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-04-13-06** **Date: 17/04/2018**

Customer : Assistant Executive Engineer, Project Division, BBMP, Bangalore.

Address : Project Division, BBMP, Bangalore.

Project Name : Providing Granite Benches in Ward No.03.

Agency : Technical Manager (West), KRIDL, Bangalore.

Customer's Reference : EE(Project)/YnkZone/WO/206/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 13-04-18

Sample ID No : 2018-04-13-06 /01

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	10/04/2018	17/04/2018	149.66 X 150.42 X 150.78	22512	8.175	394.0	17.5	17.9
2	M20 Concrete	M20	10/04/2018	17/04/2018	150.69 X 149.63 X 151.24	22548	8.163	403.6	17.9	
3	M20 Concrete	M20	10/04/2018	17/04/2018	150.47 X 150.98 X 150.44	22718	8.155	413.5	18.2	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

AE

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-04-13-06** **Date: 08/05/2018**

Customer : Assistant Executive Engineer, Project Division, BBMP, Bangalore.

Address : Project Division, BBMP, Bangalore.

Project Name : Providing Granite Benches in Ward No.03.

Agency : Technical Manager (West), KRIDL, Bangalore.

Customer's Reference : EE(Project)/YnkZone/WO/206/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 13-04-18

Sample ID No : 2018-04-13-06 /02

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 08/05/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	10/04/2018	08/05/2018	151.36 X 150.44 X 149.68	22771	8.069	526.0	23.1	23.2
2	M20 Concrete	M20	10/04/2018	08/05/2018	151.58 X 150.00 X 149.87	22737	8.174	518.4	22.8	
3	M20 Concrete	M20	10/04/2018	08/05/2018	150.46 X 150.77 X 150.69	22685	8.201	537.6	23.7	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

AE

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-04-13-06** **Date: 17/04/2018**

Customer : Assistant Executive Engineer, Project Division, BBMP, Bangalore.

Address : Project Division, BBMP, Bangalore.

Project Name : Providing Granite Benches in Ward No.03.

Agency : Technical Manager (West), KRIDL, Bangalore.

Customer's Reference : EE(Project)/YnkZone/WO/206/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 13-04-18

Sample ID No : 2018-04-13-06 /03

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	10/04/2018	17/04/2018	150.37 X 150.79 X 151.27	22674	8.201	394.5	17.4	18.3
2	M20 Concrete	M20	10/04/2018	17/04/2018	149.67 X 150.26 X 151.42	22489	8.163	418.3	18.6	
3	M20 Concrete	M20	10/04/2018	17/04/2018	150.56 X 149.63 X 150.47	22528	8.166	425.8	18.9	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-04-13-06** **Date: 08/05/2018**

Customer : Assistant Executive Engineer, Project Division, BBMP, Bangalore.

Address : Project Division, BBMP, Bangalore.

Project Name : Providing Granite Benches in Ward No.03.

Agency : Technical Manager (West), KRIDL, Bangalore.

Customer's Reference : EE(Project)/YnkZone/WO/206/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 13-04-18

Sample ID No : 2018-04-13-06 /04

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 08/05/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	10/04/2018	08/05/2018	151.77 X 150.79 X 151.63	22885	8.166	542.4	23.7	23.3
2	M20 Concrete	M20	10/04/2018	08/05/2018	150.46 X 151.22 X 149.75	22753	8.175	532.4	23.4	
3	M20 Concrete	M20	10/04/2018	08/05/2018	15.27 X 149.63 X 151.38	2285	8.102	52.3	22.9	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

AE

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****